



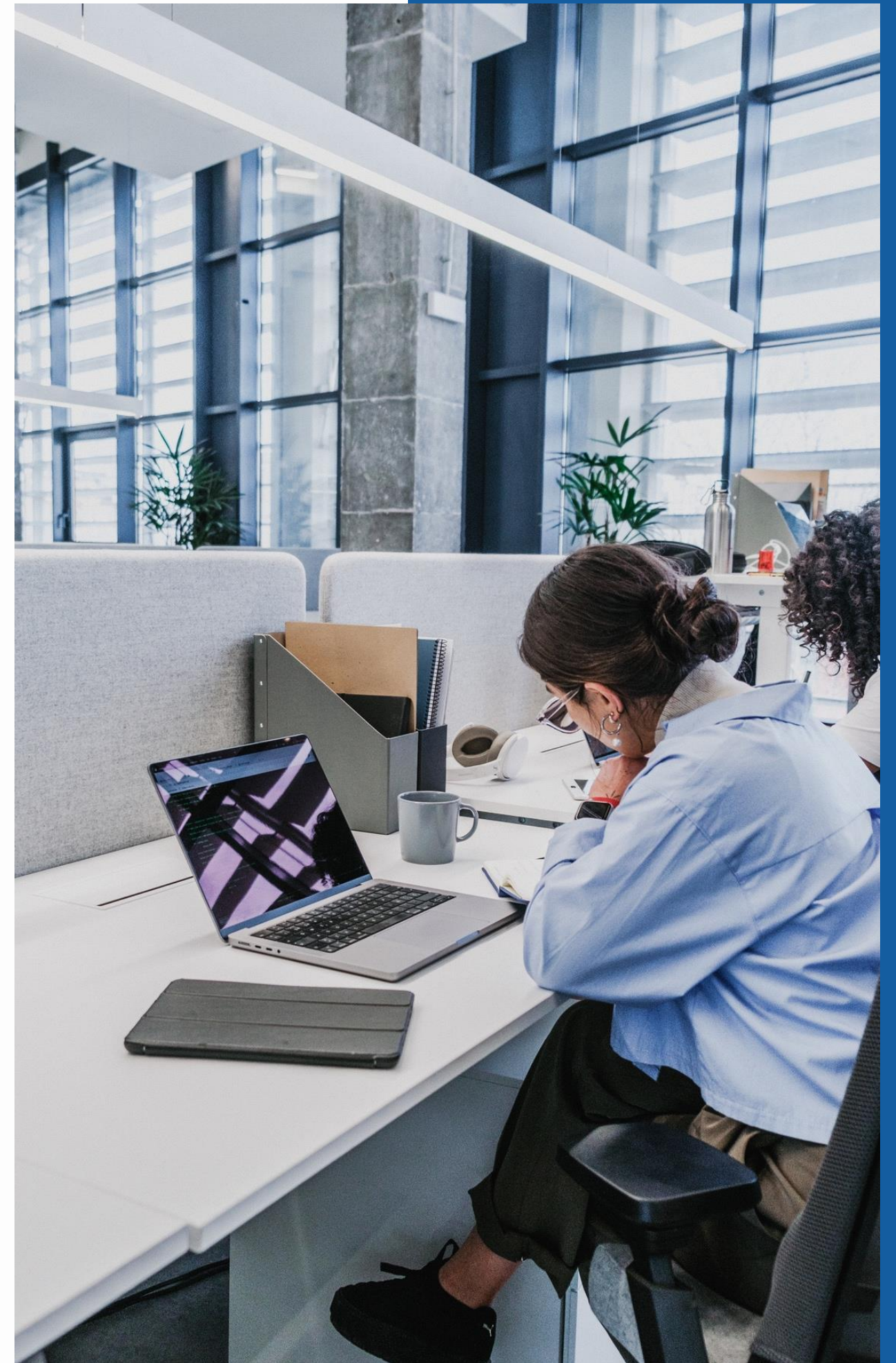
Pitch Deck for Nile

By: AiP Group 14



Overview

- ▶ Introduction
- ▶ Objective
- ▶ Approaches
- ▶ Reason to Invest
- ▶ Recommendation
- ▶ Further Steps



Our Team



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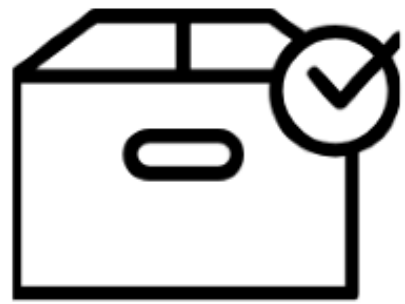
Introduction

- Positive reviews drive sales, build trust, and improve the general reputation of Nile.
- Development of a machine learning model to predict customers likely to leave positive reviews
- Optimise its review strategy, allocate resources effectively, and strengthen its market position.

Objective

To correctly predict whether the customers
will leave positive reviews

Condition



Package has been
delivered to
customers

Input

Product Factors

Customer Factors

Order Factors

Process

Nile's Review
Predictive Model

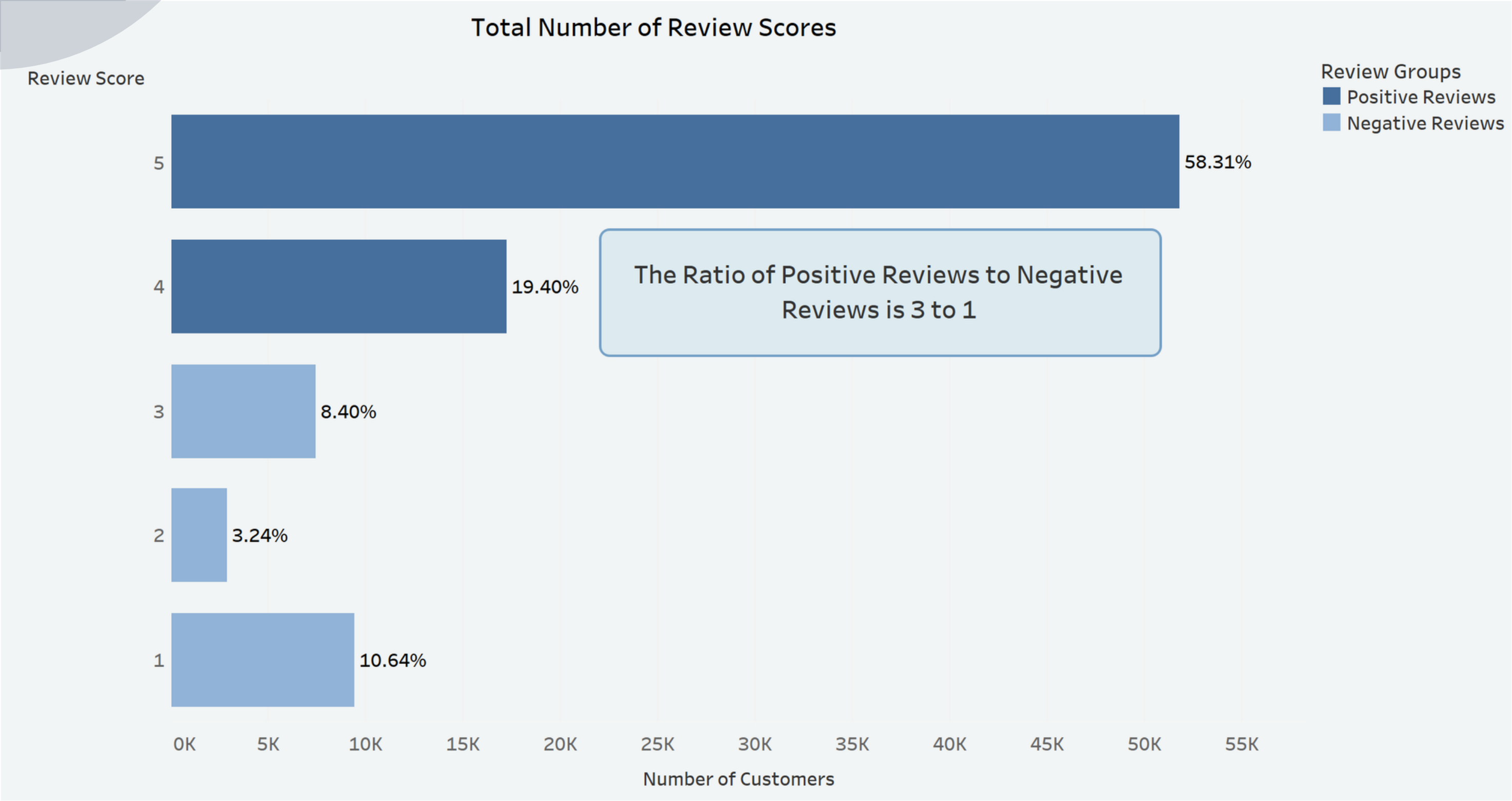
Output

1: Positive Review

0: Negative Review

Definition of Positive Reviews

We define the range of positive reviews from score 4 to 5 and the range of negative reviews from score 1 to 3.



Positive Review
4 - 5

Negative Review
1 - 3

Key Attributes of the Input Data

Product Aspect

- **Product Category**
- **Price of Each Product**
- **Length of Product's Name**
- **Length of Product's Description**
- **Quantity of Product's Photo**

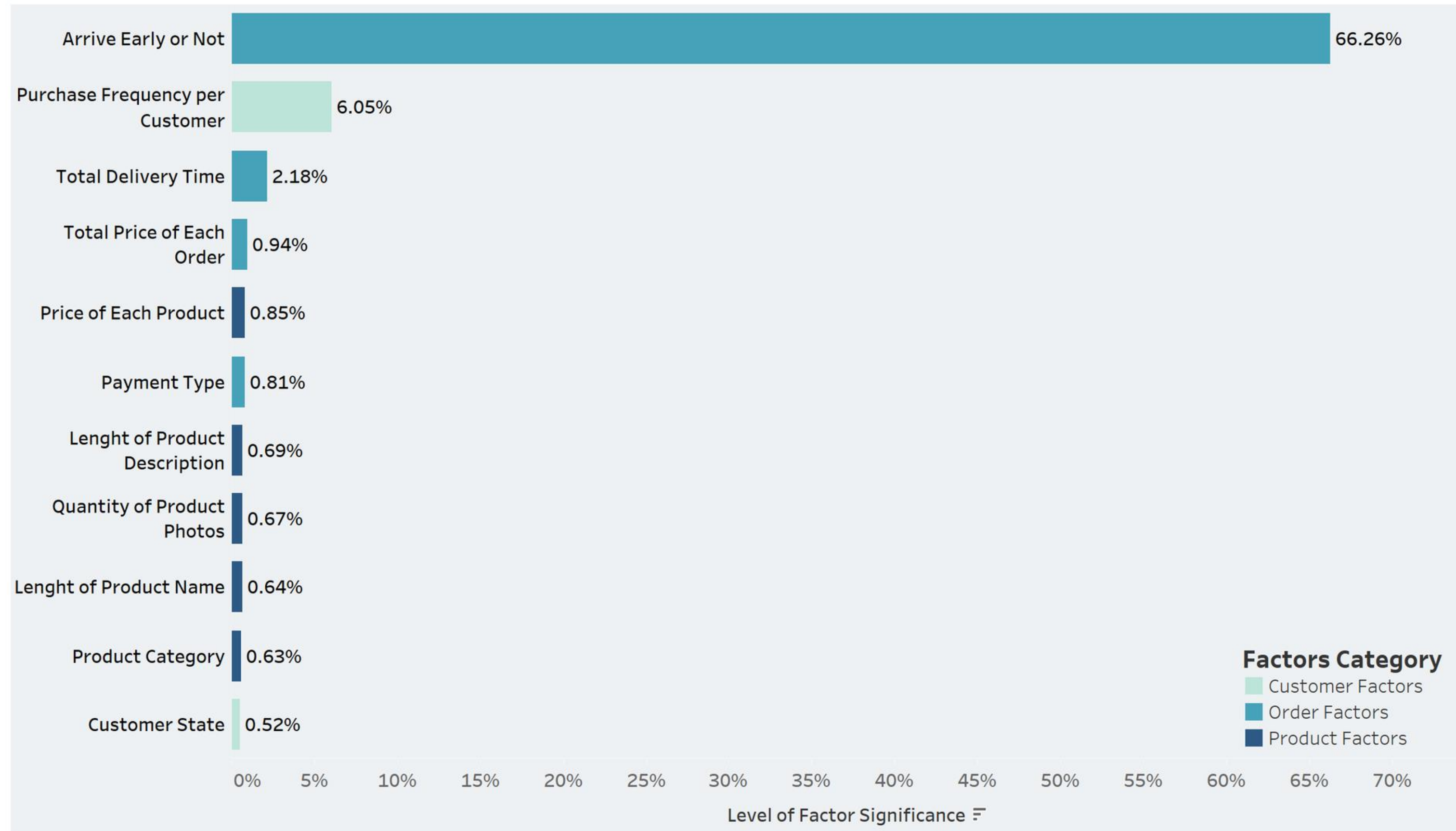
Customer Aspect

- **State of Customer's Residency**
- **Purchase Frequency per Customer**

Order Aspect

- **Payment Type**
- **Total Price of Each Order**
- **Duration of Delivery Time from The Time of Order Approved**
- **Whether Orders Delivered earlier or later than Estimated Date**

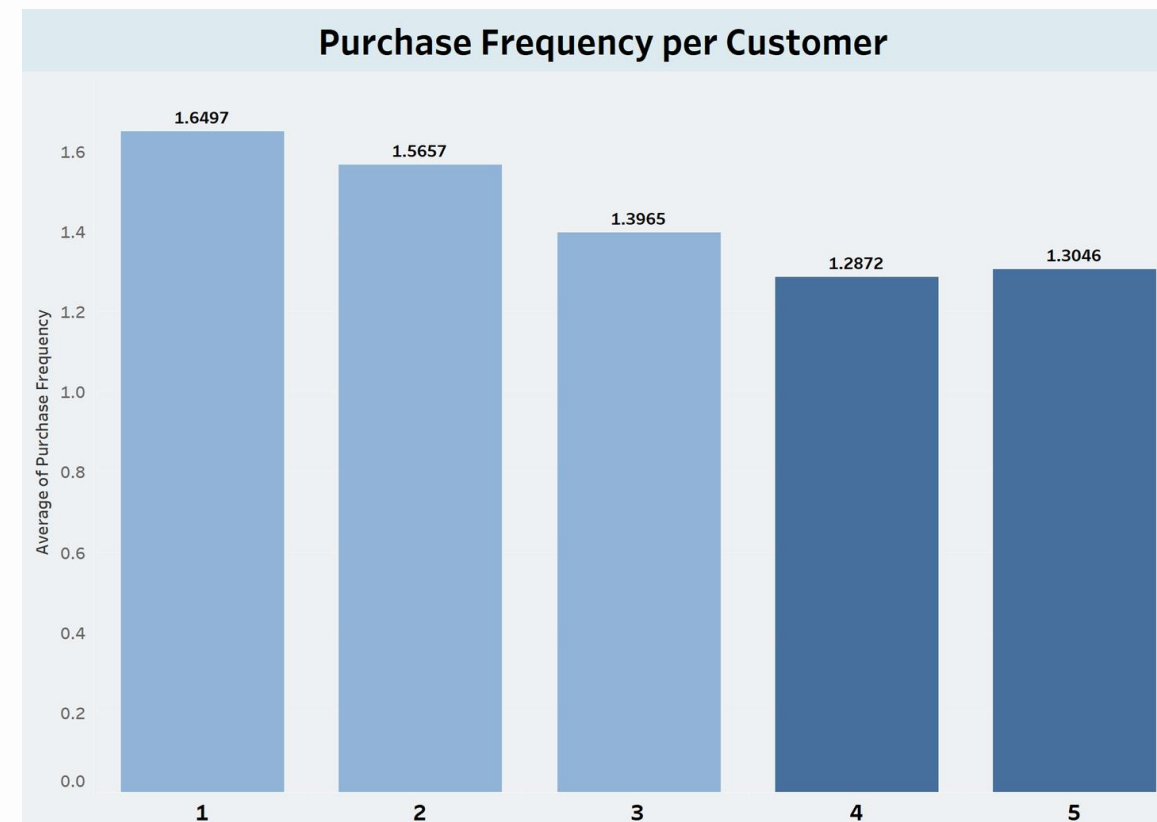
What Matters Most in Our Analysis



Key Attributes - Delivery Time & Purchase Frequency

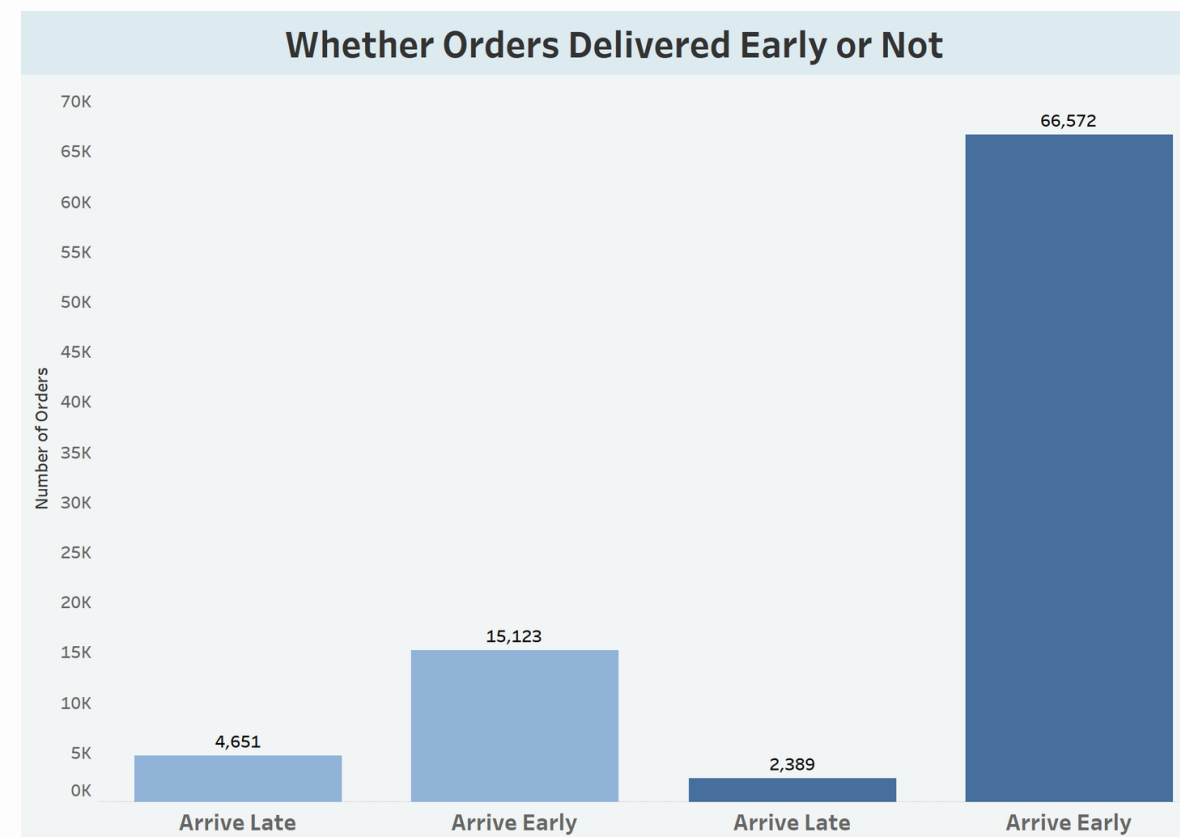
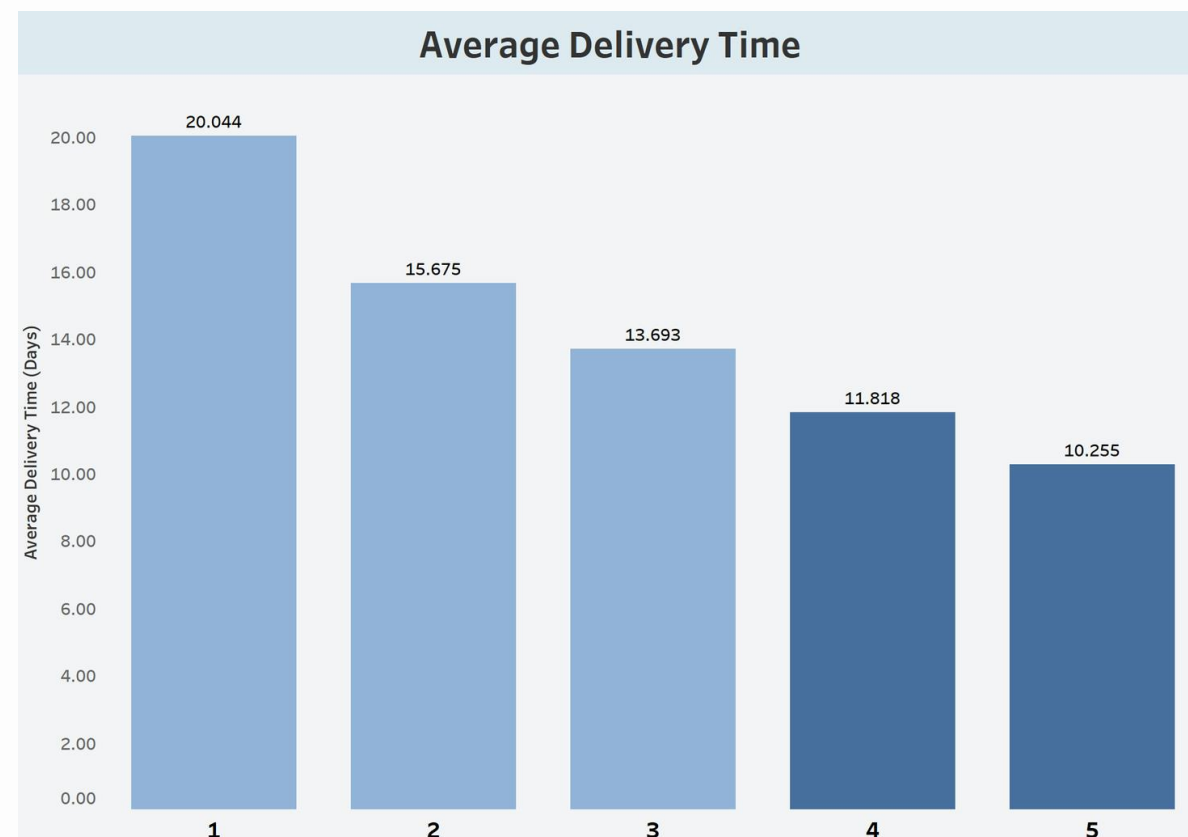
Review Groups

- Positive Reviews
- Negative Reviews



Customer Aspect

Purchase Frequency per Customer

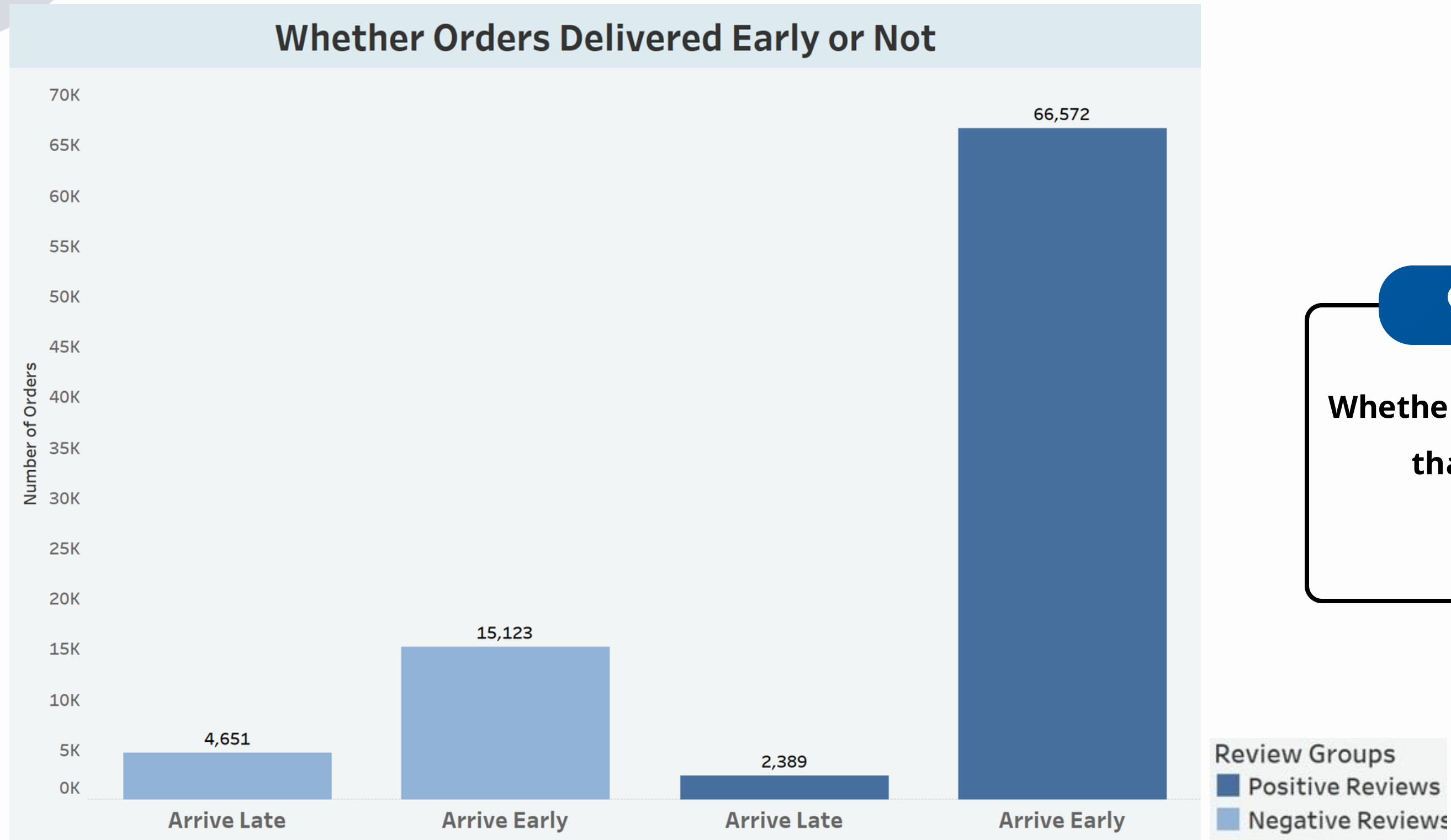


Order Aspect

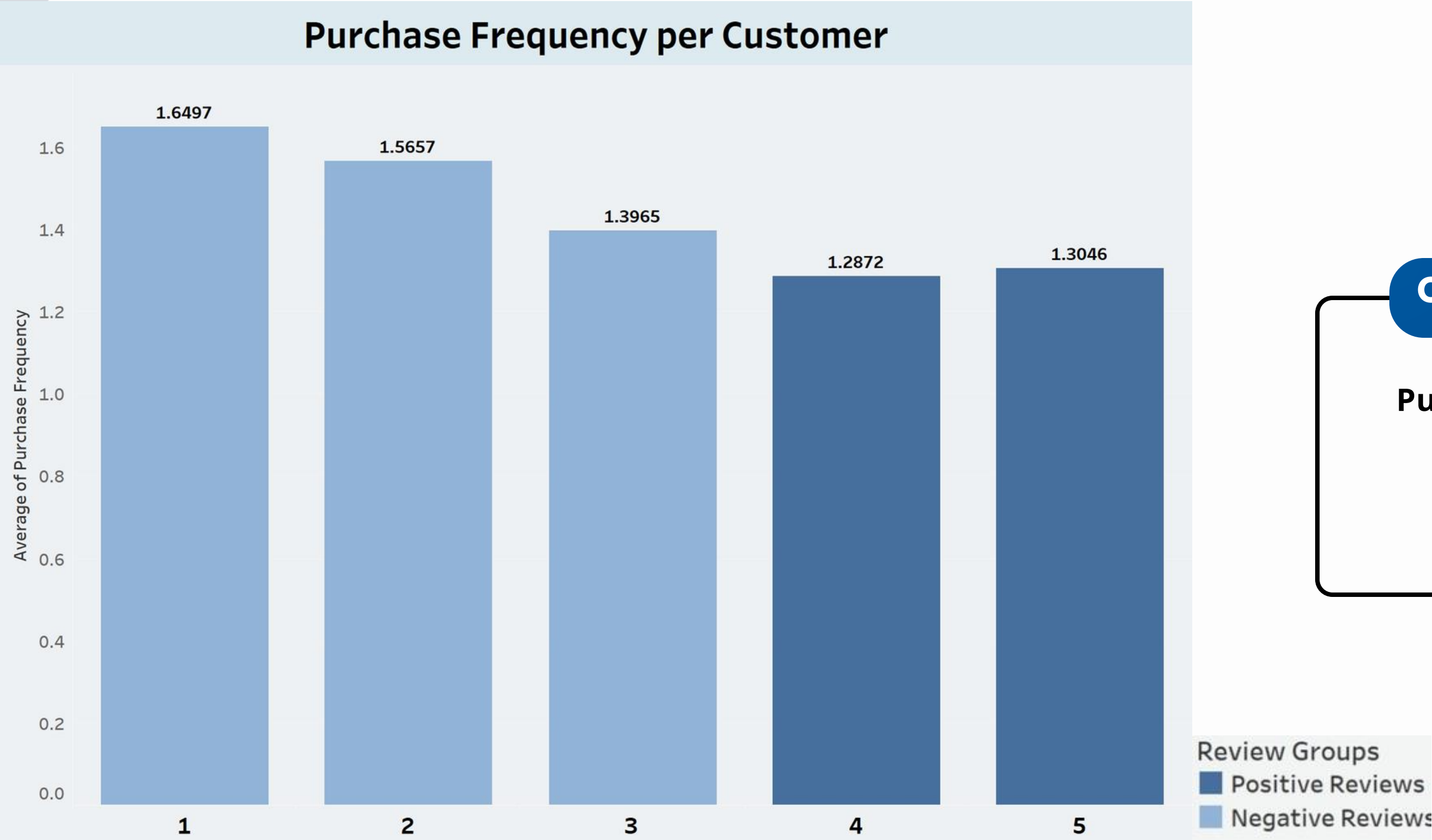
Duration of Delivery Time from The Time of Order Approved

Whether Orders Delivered later than Estimated Date

Key Attributes - Delivered Earlier or Later



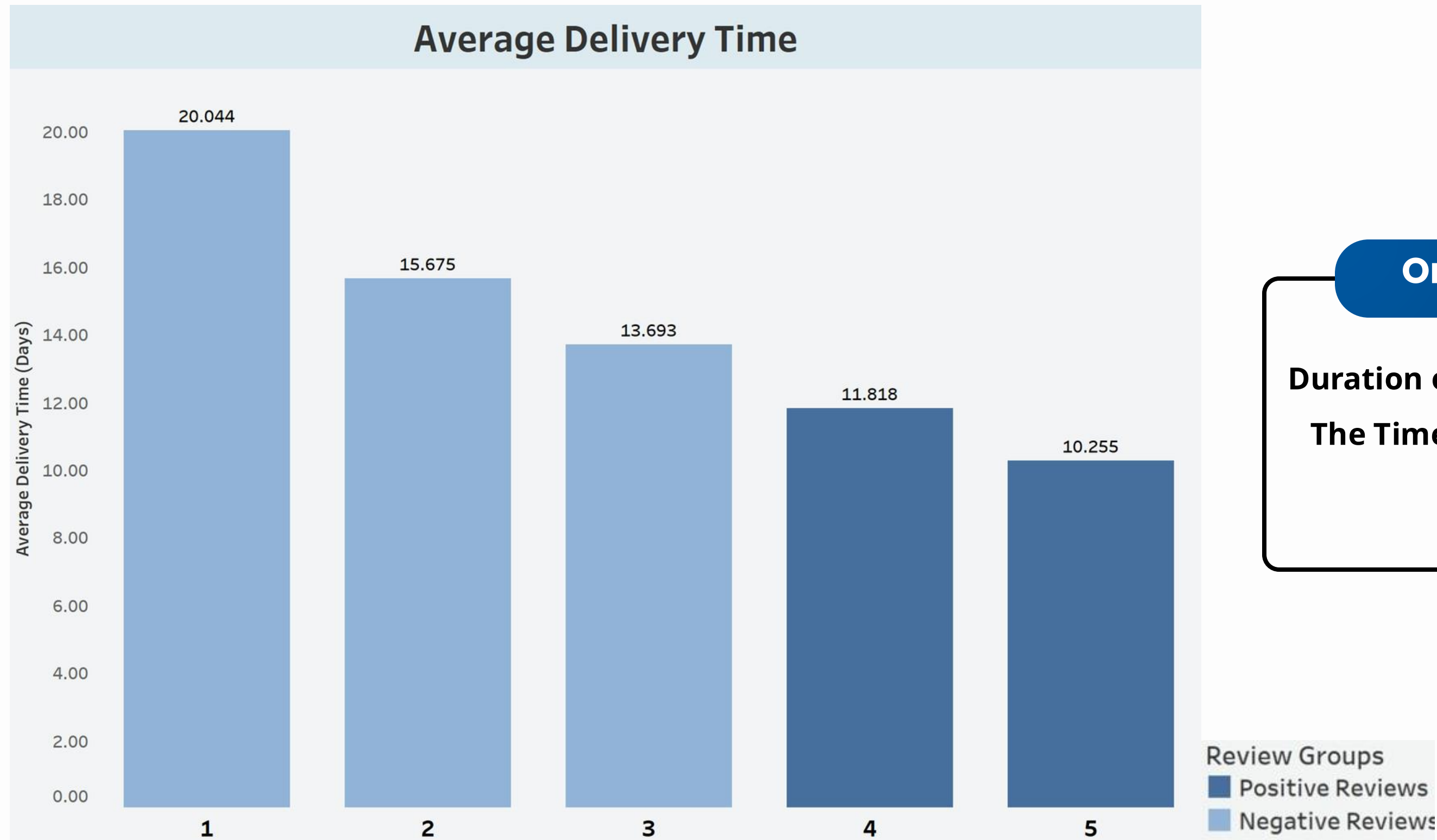
Key Attributes - Purchase Frequency



Customer Aspect

Purchase Frequency per Customer

Key Attributes - Delivery Time



Order Aspect

**Duration of Delivery Time from
The Time of Order Approved**

Model Accuracy



Our predictive model leverages advanced machine learning techniques to analyse and classify customer reviews with an overall accuracy of 81%.

81%

 **The model successfully capturing most of the positive reviews**

Why you should *INVEST* ?

01

Low Risk, High Reward

02

Cost Saving

03

Scalability

Recommendation

- **Optimize Delivery Processes**
 - Focus on reducing delivery times
 - Enhance logistical efficiency
- **Launch Next-Day Delivery Service**
 - Drives short-term sales growth
 - Boosts positive customer reviews



Further steps

Enhance model's ability of identifying negative reviews.

Short Term

Long Term

Integrate the model into Nile's CRM to automatically target and track the customers likely to leave positive reviews



Conclusion



THANK YOU!